

Jay Kumar

London SW153SG

Mobile: 07960831889 **Email:** jaykch@outlook.com **Portfolio:** www.jay-kumar.com **GitHub:** github.com/jaykch

Profile:

BEng Robotics Engineer and Front-End Developer who can use his technical skills to solve a diverse range of engineering and software challenges in a variety of disciplines.

Core Skills and Achievements

Programming Knowledge and Design Skills:

- **Front End:** HTML5, CSS3, JavaScript, CSS3 Flexbox, Bootstrap, SEO integration
- **Frameworks/Libraries:** React.js, Angular 2, jQuery
- **Build Systems:** Gulp, Webpack (for React.js)
- **CSS Preprocessors:** SCSS, SASS
- **Version Control:** GIT
- **Deployment:** FTP, Flightplan
- **Design:** Adobe Photoshop, Adobe Dreamweaver, Adobe Fireworks, Adobe Premiere Pro, Balsamiq Mockups
- **App Development:** Angular 2.0, Ionic 2 Framework using TypeScript
- **Engineering:** ROS, Arduino, Processing, SolidWorks, MATLAB, LABVIEW, JAVA
- **Back End:** MySQL, Facebook Graph API, PayPal API, eBay API, JSON integration, GOOGLE APIs

Strongest in:

- **Front End, Design and Deployment**

Languages:

- **English** – Native – IELTS Score 8.0

Achievements:

- Santander Entrepreneurship Award 2014 and 2015

Experience

2016(Mar) - Present

Freelance, London: Software Developer which involved:

- Web and App Development
- Web Deployment and Search Engine Optimization
- Working with numerous APIs such as Graph, Google, PayPal, eBay
- Graphic Design: Making logos, editing videos and images, typical graphic design involved in building websites and apps
- Liaising with clients from different cultures and backgrounds

2015(Mar) - Present

Economy Games, London: CEO which involved:

- Management
- Business Structuring
- Business Analysis
- Personnel Relations
- Accounting
- Core Skills Required to manage a business

2014 (Sept) – 2015(June)

RedLoop, London: Junior Engineer which involved:

- Project research
- Software Development: Game Development, Prototyping, Bug Fixing
- Java, C++, C#
- Project Development

Projects

Current

- **Pokémon Go Map (JavaScript)**– JavaScript client that maps out Pokémon go spawn locations implementing multiple APIs using Ajax, JavaScript and JSON.
- **Economy Games** - Ecommerce that sells videogames. Includes a website and an app using Symphony, twig, SASS, gulp, PHP, JavaScript, Angular JS and multiple other languages and frameworks in collaboration with a back-end developer.

Past

- **Weatherfy(React.js)** – A weather app built using React.js that uses openweather API to display weather forecast of over 20000 locations for the next 5 days.
- **Robot Navigation AI** – Built an AI to detect objects using a camera and an object avoidance system using Python, ROS and a Raspberry PI.

Education and qualifications

2016

B.Eng. Robotics, **2:1**

Middlesex University

2013

Competed in Eurobot 2013

Designed and produced a robot that follows tasks specified in the brief.

Activities and Hobbies

- I am passionate about programming and code 8 hours a day; 7 days a week.
- When I am not programming I like to –
 - Fly Planes
 - Play Tennis, Football, Piano and Guitar
 - Do Muay Thai and Extreme Sports